

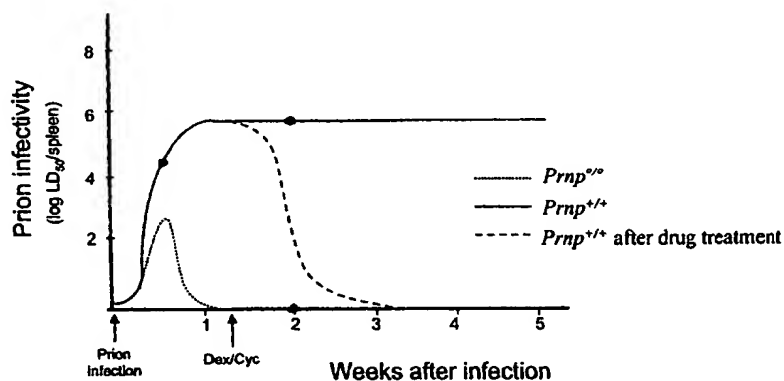


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(21) International Application Number: PCT/EP98/08271 (22) International Filing Date: 16 December 1998 (16.12.98) (30) Priority Data: 97122186.6 16 December 1997 (16.12.97) EP (71) Applicant (for all designated States except US): UNIVERSITY OF ZÜRICH [CH/CH]; Rämistrasse 71, CH-8600 Zürich (CH). (72) Inventors; and (75) Inventors/Applicants (for US only): AGUZZI, Adriano [IT/CH]; Mühlegasse 21, CH-8001 Zürich (CH). KLEIN, Michael, A. [DE/DE]; Hermann-Josef-Strasse 39, D-53925 Kall (DE). RAEBER, Alex [CH/CH]; Hofwiesenstrasse 251, CH-8057 Zürich (CH). WEISSMANN, Charles [CH/CH]; Eschenaustrasse 34, CH-8053 Zürich (CH). ZINKERNAGEL, Rolf [CH/CH]; Rebhusstrasse 47, CH-8126 Zumikon (CH). (74) Agents: MODIANO, Guido et al.; Modiano, Josif, Pisanty & Staub, Baaderstrasse 3, D-80469 München (DE).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. (88) Date of publication of the international search report: 21 October 1999 (21.10.99)	

(54) Title: DIAGNOSTICS AND THERAPEUTICS FOR TRANSMISSIBLE SPONGIFORM ENCEPHALOPATHY AND METHODS FOR THE MANUFACTURE OF NON-INFECTIVE BLOOD PRODUCTS AND TISSUE DERIVED PRODUCTS

Prion Infectivity in Spleen of *Prnp*<sup>+/+</sup> mice after  
B- and T-cell depletion



## (57) Abstract

B-cells have been identified as being the crucial carriers of infectivity in the spread of transmissible spongiform encephalopathy within an infected organism. In a second step, B-cells may infect further components of the immune system, e.g. T-cells. Accordingly, the present invention provides B-cell and T-cell specific ligands for the use in diagnostics and therapeutics for transmissible spongiform encephalopathy and provides methods for the manufacture of non-infective blood products and tissue derived products. Thus, the present invention provides medicaments comprising B-cell and/or T-cell depletants, for the treatment of pathologies where the depletion of B-cells and/or T-cells, and more particularly of tse-infected B-cells and/or T-cells is therapeutically effective.

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